



## Vacumobil 160/180

Dust extractor

2,2/3,0 kW (IE4)

H3 certified

**HÖCKER<sup>®</sup>**  
**POLYTECHNIK**

*Always one idea ahead*

# Vacumobil 160/180

## Enhanced performance, reduced consumption.

The innovative Vacumobil 160 and 180 dedusters by Höcker Polytechnik set entirely new standards in extraction for wood processing machines and air filtration. They feature numerous improvements in regards to energy efficiency, equipment size, performance characteristics and application flexibility. Tailor-made solutions can be developed thanks to various filter cleaning processes and performance levels.

Higher throughput is achieved by a housing interior optimised for airflow. Standard energy-saving drives (IE4) reduce electricity consumption. Two collecting vessels provide more usable volume. The Vacumobil is environmentally friendly to operate, with low energy consumption. Of course, all models work exclusively with BG-certified filter material.

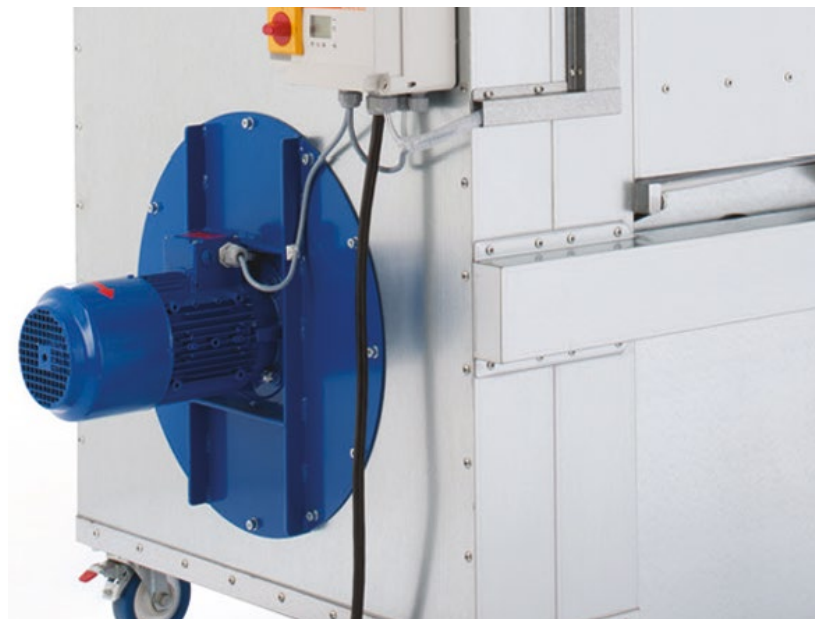


Illustration above:  
Vacumobil VT 160 with  
2.2 kW energy-saving motor (IE4)

### Vacumobil J...

- Ideal for continuous operation (option), since jet filter cleaning with low compressed air consumption ensures effective filter regeneration and long filter life.

### Vacumobil V...

- For installation in the shop, also for explosion-prone dust-air mixtures and intermittent processes; during breaks, the system gently cleans the filters by means of vibration without the use of compressed air.



Illustration to the right:  
PLC controller with text display  
and robust membrane keyboard



### Safety with a capital S

The Vacumobil can be installed in the shop without additional fire protection measures. It is supplied ready to connect with a phase changing plug. The standard contactor control ensures automatic start-up and safe operation. Inputs for automatic start-up using potential-free contacts are included as standard equipment.

- Pre-separator with intake port  
Diameter 160 or 180 mm

- Heat recovery through air recirculation system with noise suppression hood



- PLC controller with text display
- Robust and ergonomic
- Includes rubber cable and phase changing switch

- Energy-saving operation at 2.2 or 3.0 kW (IE4)

- Robust, ergonomic collecting vessels with foil bags
- More useable volume, longer operating time

- Sturdy duct for negative pressure equalisation
- Reliably holds the foil bags in the collecting vessels

- Sturdy, industrial-grade fixed and steering rollers

## Advantages

- Installation in the work area is allowable (depending on the type of dust)
- Low residual dust content < 0.1 mg/m<sup>3</sup> (H3) according to the Technical Guideline for the Handling of Hazardous Materials (TRGS) 553
- 100% utilisation of heat energy through air recirculation
- Large collection volume with 2 mobile collecting bins Online filter cleaning available (surcharge)
- Low height, less than 2 m (height, middle of intake port: 1.5 m)
- Installation in the work area is allowable (depending on the PLC controller, standard with automatic start-up and text display)
- Drive Efficiency Class IE4
- Automatic filter cleaning
- No pressure relief required for St1 dust
- Filter material tested by the Employer's Liability Insurance Association (BG) (99.95% separation)
- Low energy consumption and high extraction performance

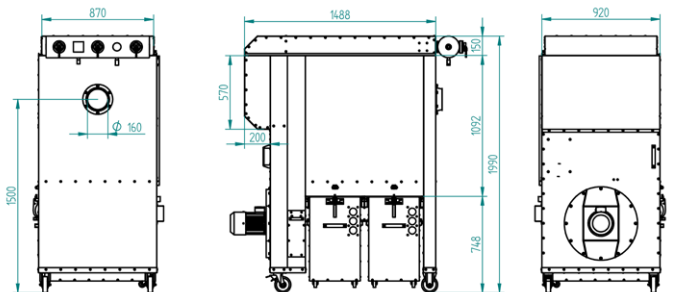


Illustration above:  
Vacumobil JT160

	Vacumobil JT 160	Vacumobil VT 160	Vacumobil JT 180	Vacumobil VT 180
Suction connection diameter	160 mm	160 mm	180 mm	180 mm
Engine-rating	2,2 kW / 400 V / 50 Hz (IE 4)	2,2 kW / 400 V / 50 Hz (IE 4)	3,0 kW / 400 V / 50 Hz (IE 4)	3,0 kW / 400 V / 50 Hz (IE 4)
Filter area	ca. 10 m <sup>2</sup>	ca. 10 m <sup>2</sup>	ca. 10 m <sup>2</sup>	ca. 10 m <sup>2</sup>
Nom. Volume Flow (V Nom)	1.447 m <sup>3</sup> /h at 20 m/s	1.447 m <sup>3</sup> /h at 20 m/s	1.832 m <sup>3</sup> /h at 20 m/s	1.832 m <sup>3</sup> /h at 20 m/s
Max. Volume Flow (V Max)	1.900 m <sup>3</sup> /h	1.900 m <sup>3</sup> /h	2.040 m <sup>3</sup> /h	2.040 m <sup>3</sup> /h
Vacuum generated V Nom**	ca. 3.500 Pa	ca. 3.500 Pa	ca. 3.200 Pa	ca. 3.200 Pa
Vacuum generated V Max**	ca. 2.700 Pa	ca. 2.700 Pa	ca. 2.200 Pa	ca. 2.200 Pa
Collection Volume	ca. 350 Liter max.	ca. 350 Liter max.	ca. 350 Liter max.	ca. 350 Liter max.
Maximum sound pressure level	≤ 72 dB(A)	≤ 72 dB(A)	≤ 72 dB(A)	≤ 72 dB(A)
Measurements (L x W x H)	1.840 x 1.020 x 1.990 mm	1.650 x 1.020 x 1.990 mm	1.850 x 1.020 x 1.990 mm	1.660 x 1.020 x 1.990 mm
Weight	ca. 440 kg	ca. 400 kg	ca. 450 kg	ca. 410 kg
Dedusting	Pressurized air (offline)***	Vibration (automatically with added running times)	Pressurized air (offline)***	Vibration (automatically with added running times)
Slide valve gear	standard	standard	standard	standard

\* Measured according to the EU Machinery Directive subject to free field conditions with 1 m distance of 1.6 m height \*\* in delivery status - non-impinged filter hoses  
\*\*\* online cleaning optional (in case of explosive dust - air mixtures only permissible with further protective measures)



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